

 <b>AIR RESOURCES BOARD</b>	<b>LISTER-PETTER</b>	<b>EXECUTIVE ORDER U-U-024-0028</b> New Off-Road Small Spark-Ignition Engines Below 25 Horsepower
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Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

**IT IS ORDERED AND RESOLVED:** That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE
2002	2L5XS1.402NG	1395	4-Stroke, 225 cc and greater	Compressed Natural Gas
DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION	
500	Engine Modification		Generator Set	
ENGINE MODELS (rated power in horsepower, hp)	LPWG3 370N (18.9 hp), GN3 374N (18.9 hp), LPWG3 327N (18.9 hp), LPWG3 328N (18.9 hp)			

The following are the hydrocarbon plus oxides of nitrogen (HC+NO<sub>x</sub>), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per brake horsepower-hour (g/bhp-hr). Engines within this family shall have closed crankcases in conformance with Part I, Section 18.(h) of the "California Exhaust Emission Standards and Test Procedures for 1995 and Later Small Off-Road Engines," last amended March 23, 1999.

(g/bhp-hr)	HC+NO <sub>x</sub>	CO	PM
STANDARD	9.0	410	N/A
FAMILY EMISSION LEVEL	N/A	N/A	N/A
CERTIFICATION LEVEL	6.6	2	N/A

**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 20<sup>TH</sup> day of February 2002.

  
Allen Lyons, Chief  
New Vehicle/Engine Programs Branch